


Change Number M-34-02-02	Federal Facility Agreement and Consent Order Change Control Form Do not use blue ink. Type or print using black ink.		Date July 23, 2002																
Originator S.J. Veitenheimer <i>[Signature]</i> U.S. Department of Energy (DOE), Richland Operations Office (RL) Office of Spent Nuclear Fuel			Phone (509) 373-9725																
Class of Change <input type="checkbox"/> I – Signatories	<input checked="" type="checkbox"/> II – Executive Manager	<input type="checkbox"/> III – Project Manager																	
Change Title M-34-17 – Deletion of requirement for initiation of sludge containerization.			<div style="text-align: center;">  SEP 10 2002 </div>																
<div style="text-align: right;">EDMC</div> Description/Justification of Change Reword M-34-17 as follows: Milestone: "Initiate Removal of K East Basin Spent Nuclear Fuel." Due Date: 11/30/2002 Completion Criteria: "Initiate removal of spent nuclear fuel from the K East Basin and transport to the K West Basin. Also, initiate collection and containerization of K East Basin sludge from canisters, floor, and weasel pit. " Note: Struck out text indicates text to be deleted. (Description/Justification of change continued on page 2)																			
Impact of Change No impact. This change is in response to the evolution of the design for sludge retrieval from the basin. The previous design basis for the milestones was in-basin containerization of sludge followed by removal of sludge from the basin. The new design, and basis for this milestone change, is that sludge will loaded directly into containers external to the basin to meet the milestone for full-scale sludge removal from the K East Basin (M-34-08). Therefore, the need to containerize sludge as part of milestone M-34-17 is eliminated.																			
Affected Documents 1. Hanford Federal Facility Agreement and Consent Order, Appendix D, as amended. 2. Spent Nuclear Fuel Project Baseline Schedule.																			
<table border="0" style="width: 100%;"> <tr> <td colspan="2" data-bbox="110 1581 1287 1686">Approvals</td> <td colspan="2"></td> </tr> <tr> <td data-bbox="110 1686 659 1770"> <i>W. Wade Ballard</i> DOE </td> <td data-bbox="659 1686 841 1770"> 7/19/02 Date </td> <td data-bbox="841 1686 1287 1770"> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved </td> <td></td> </tr> <tr> <td data-bbox="110 1770 659 1854"> <i>John R. [Signature]</i> EPA </td> <td data-bbox="659 1770 841 1854"> 7/23/02 Date </td> <td data-bbox="841 1770 1287 1854"> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved </td> <td></td> </tr> <tr> <td data-bbox="110 1854 659 1959"> N/A Ecology </td> <td data-bbox="659 1854 841 1959"> Date </td> <td data-bbox="841 1854 1287 1959"> <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved </td> <td></td> </tr> </table>				Approvals				<i>W. Wade Ballard</i> DOE	7/19/02 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<i>John R. [Signature]</i> EPA	7/23/02 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		N/A Ecology	Date	<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	
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(Description/Justification of change continued on page 2)

The justification for this change is as follows:

The sludge removal system and sludge transportation system design has changed significantly since March 2001, when the existing milestone language was developed. At that time, the intent was to begin containerization of K East Basin floor and pit sludge concurrent with start of the Fuel Transfer System. The conceptual design at that time was to provide temporary storage of the sludge underwater in the basin and to isolate it from the water. The current design is to pump sludge directly from the basins into a container staged adjacent to the fuel pool. This design provides a more cost-effective removal and transport system because the sludge has to be handled only once.

In summary, in-basin sludge containerization, as part of milestone M-34-17, is no longer required to support milestone M-34-08 to initiate full scale K East Basin sludge removal.